



ACCELERATOR & FUSION RESEARCH DIVISION

September 8, 2008

Prof. Norman McCubbin, Head  
Particle Physics Department  
Science and Technology Facilities Council  
Rutherford Appleton Laboratory  
Harwell Science and Innovation Campus  
Didcot, OX11 0QX  
England

Dear Prof. McCubbin:

Pursuant to the Memorandum of Understanding between The Science and Technology Facilities Council (STFC) and the Lawrence Berkeley National Laboratory (LBNL), our institution expects in the near future to send to Rutherford Appleton Laboratory (RAL) a pair of superconducting Spectrometer Solenoid magnets for use in the Muon Ionization Cooling Experiment (MICE). As you are aware, MICE is an international scientific collaboration of more than 30 scientific and academic institutions created to carry out this experiment using a secondary beam from the ISIS synchrotron at RAL.

The two Spectrometer Solenoids we provide have been funded by the U.S. Department of Energy as one of the U.S. contributions to MICE. Because of fabrication schedules, the two magnets will be shipped sequentially. They will eventually be integrated with scintillating fiber tracking detectors provided by other MICE collaborators to carry out particle-by-particle emittance measurements both upstream and downstream of the MICE cooling channel hardware. All hardware components sent to RAL by LBNL are provided as temporary donations for use in the experiment, and will not be used for commercial purposes. All results from the experiment will be published in appropriate scientific journals, and will thus be in the public domain.

We ask that you acknowledge, by your signature below, that RAL agrees to accept the aforementioned contribution to MICE.

Sincerely,

Stephen A. Gourlay, Director  
Accelerator & Fusion Research Division

Concurrence:

  
Norman McCubbin, RAL/STFC